

Human Mannose Binding Lectin (MBL) ELISA Kit | MBL elisa kit

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CATALOG #
AAA138516

REACTIVITY
Human

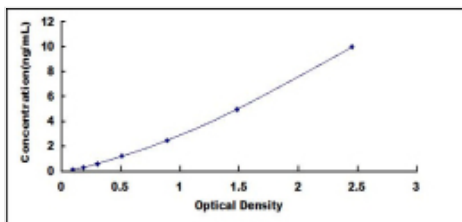
PRODUCT SYNONYMS

Mannose Binding Lectin (MBL); Human Mannose Binding Lectin (MBL) ELISA Kit; MBL2; COLEC1; HSMBPC; MBP1; MBP; Collectin-1; Mannose-binding protein C; Mannan Binding Protein; Mannose-Binding Lectin(Protein C)2; Soluble(Opsonic Defect); MBL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mannose Binding Lectin (MBL). No significant cross-reactivity or interference between Mannose Binding Lectin (MBL) and analogues was observed.
Sequence Length	38
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.069ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mannose Binding Lectin (MBL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mannose Binding Lectin (MBL) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MBL elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mannose Binding Lectin (MBL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mannose Binding Lectin (MBL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mannose Binding Lectin (MBL), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Mannose Binding Lectin (MBL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MBL elisa kit	Signal transduction; Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	169335948
NCBI GeneID	4153
Molecular Weight	3,557 Da
NCBI Official Full Name	mannose binding lectin, partial
NCBI Official Synonym Full Names	mannose-binding lectin (protein C) 2, soluble
NCBI Official Symbol	MBL2
NCBI Official Synonym Symbols	MBL; MBP; MBP1; MBPD; MBL2D; MBP-C; COLEC1; HSMBPC
NCBI Protein Information	mannose-binding protein C
UniProt Protein Name	Mannose binding lectin
UniProt Gene Name	MBL2
UniProt Entry Name	B1PN75_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/mannose-binding-lectin-mbl/138516>